ABSTRACT OF THE DISCLOSURE

A crosslinkable elastomeric composition includes at least one thermoplastic polymer selected from amorphous polymers having a glass transition temperature higher than 80° C or crystalline polymers having a melting temperature higher than 190° C and at least one diene elastomeric polymer. A method for preparing the composition includes pre-mixing, at a temperature not lower than T_g or (T_m - 20° C), the at least one thermoplastic polymer with a first portion of the at least one diene elastomeric polymer to obtain a masterbatch and mixing the masterbatch with a remaining portion of the at least one diene elastomeric polymer. The composition may include from 1% to 65% of the at least one thermoplastic polymer and from 35% to 99% of the at least one diene elastomeric polymer. The at least one thermoplastic polymer may be dispersed in a form of particles having an average diameter not greater than 20 μm.